

FIG.1A

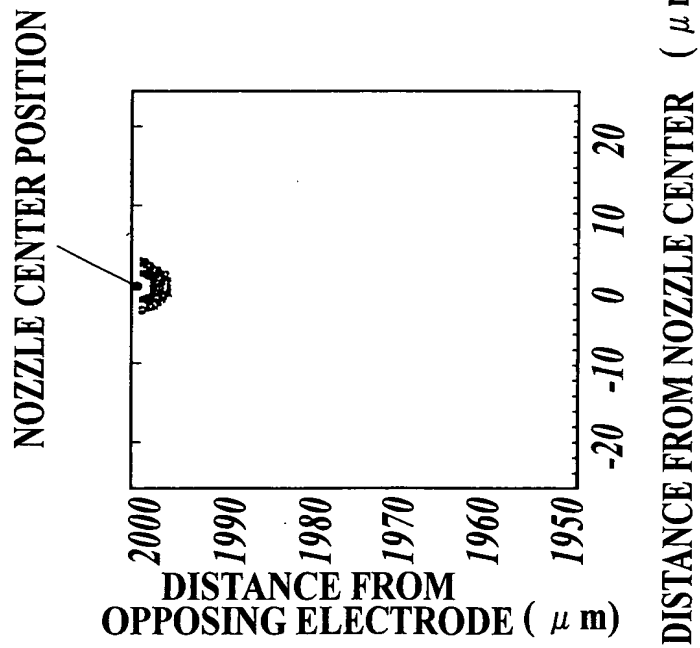


FIG.1B

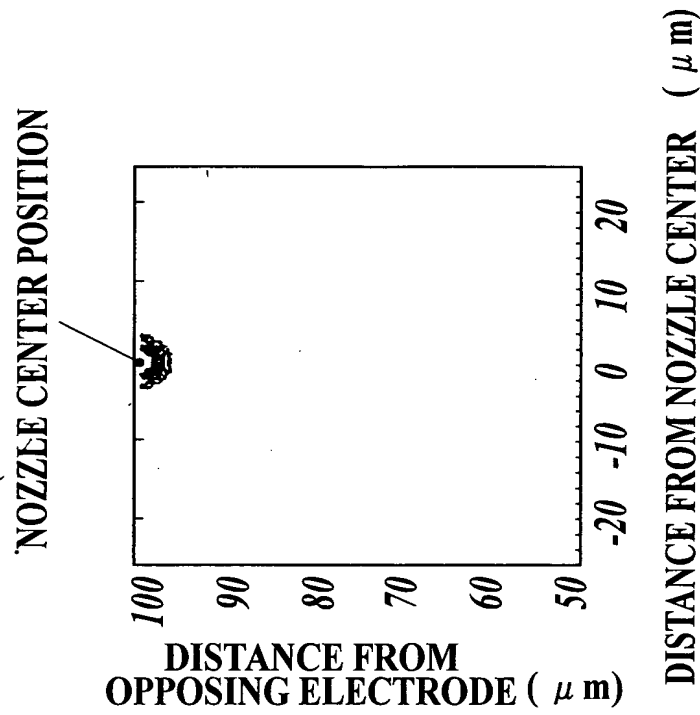


FIG.2A

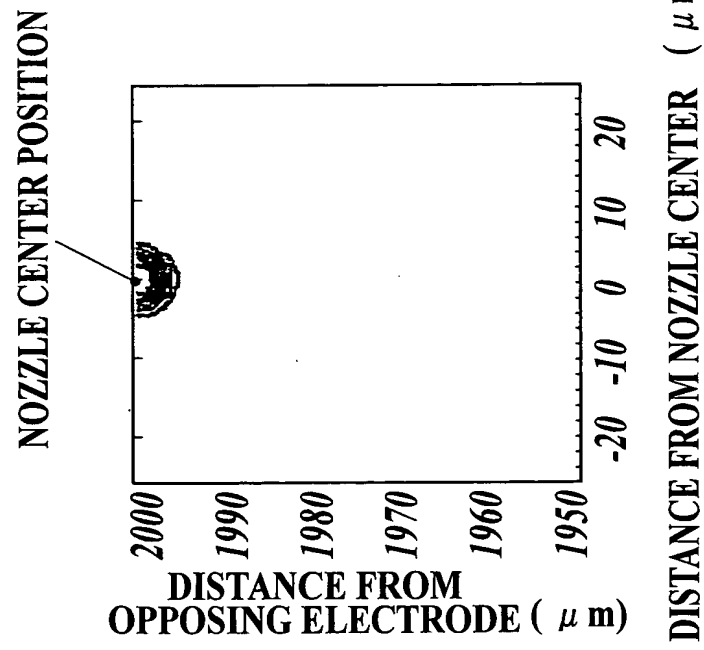


FIG.2B

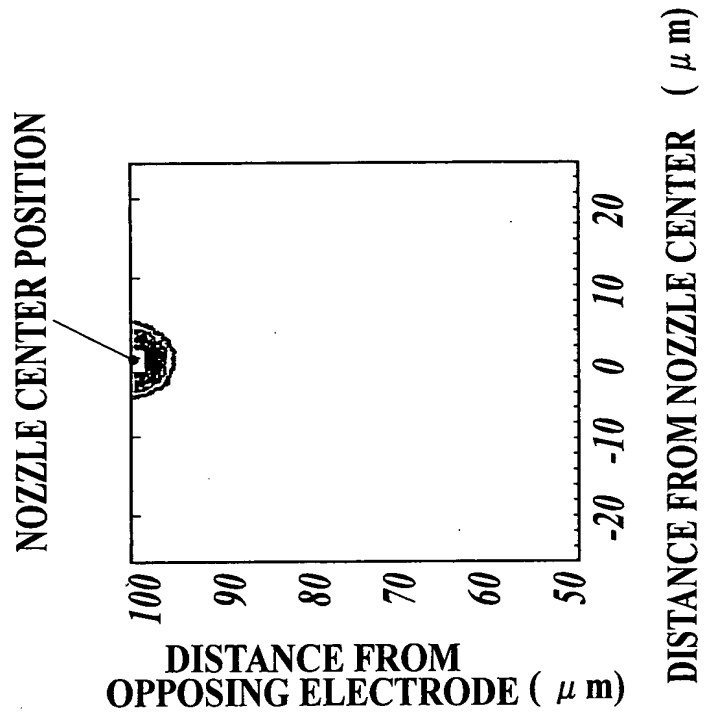


FIG.3A

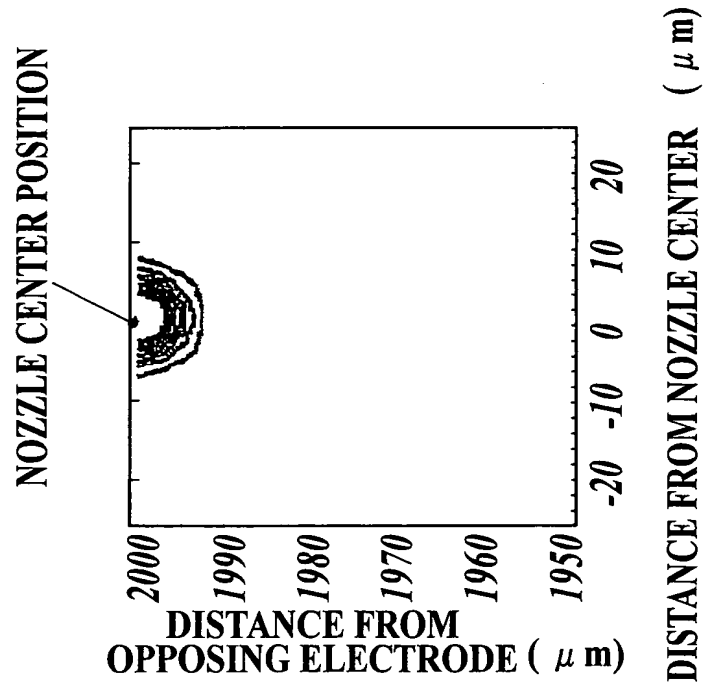


FIG.3B

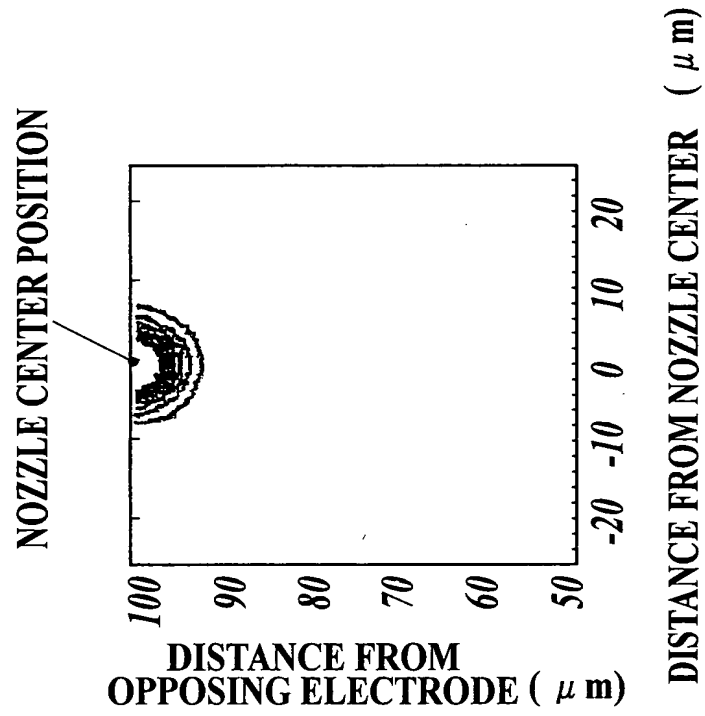


FIG.4A

NOZZLE CENTER POSITION

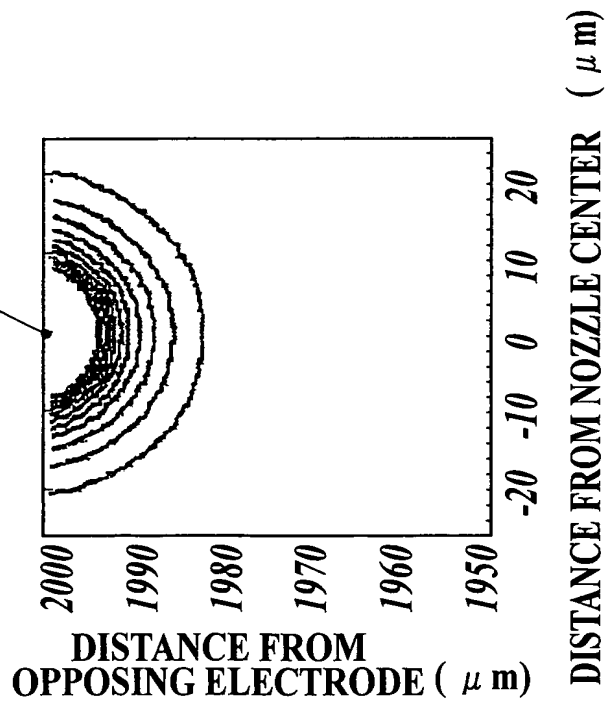


FIG.4B

NOZZLE CENTER POSITION

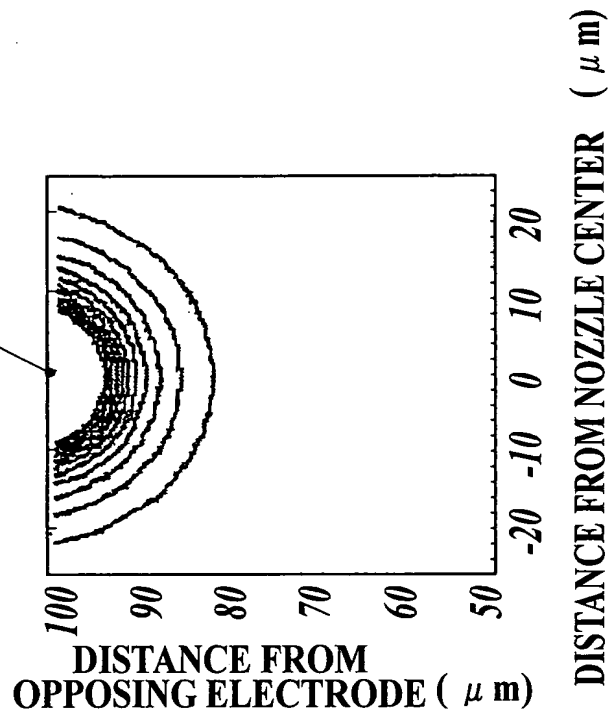


FIG.5B

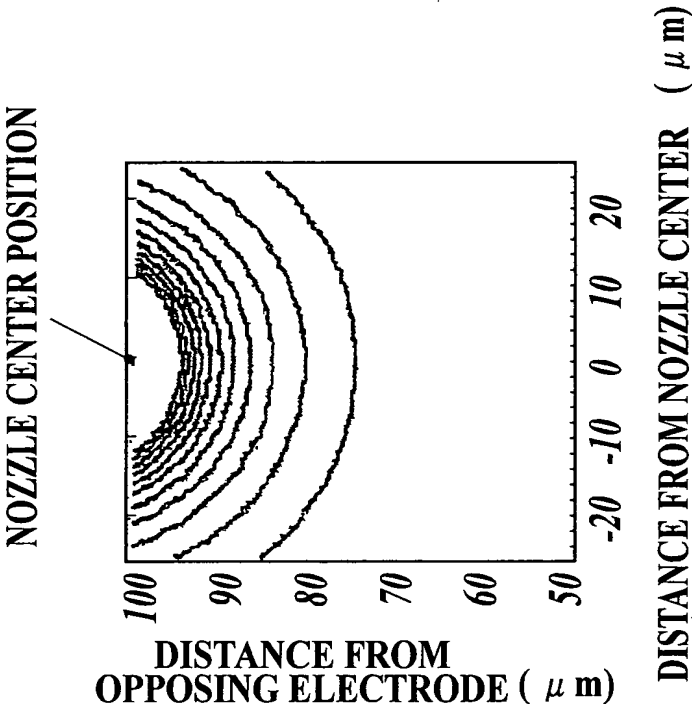


FIG.5A

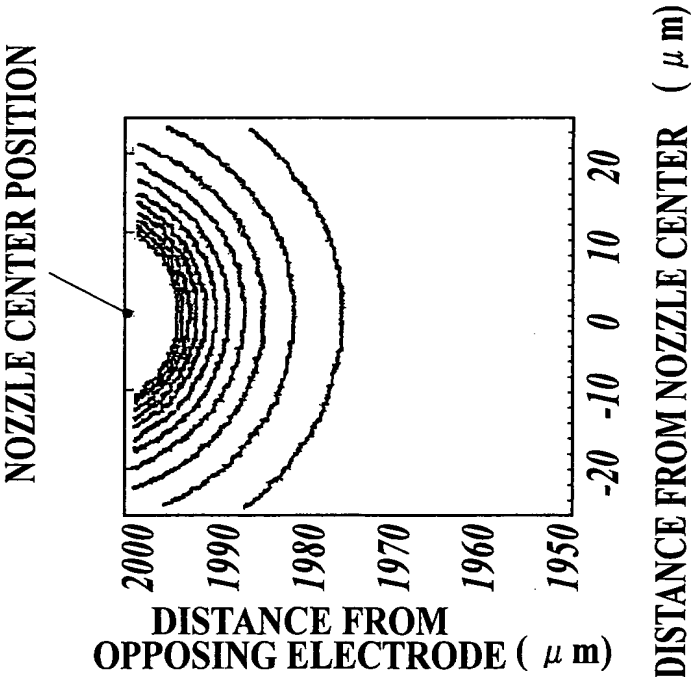


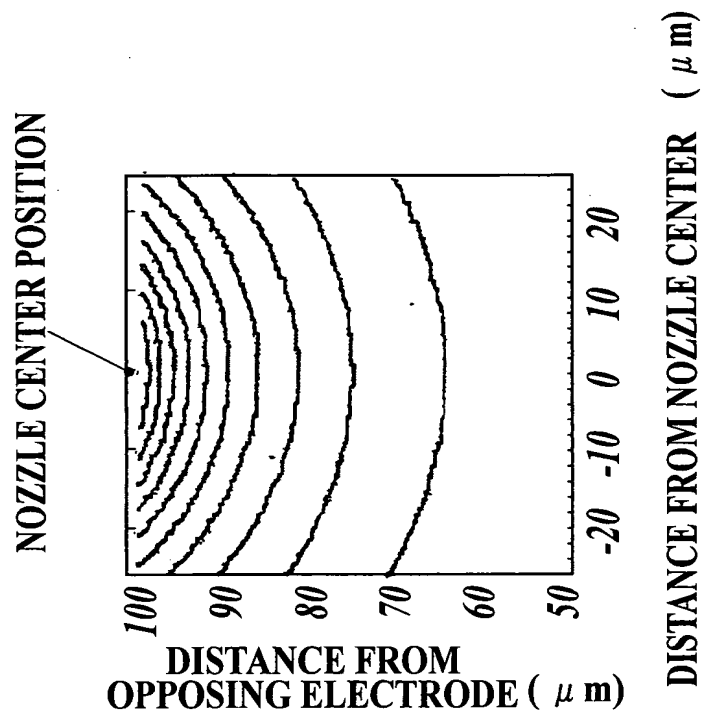
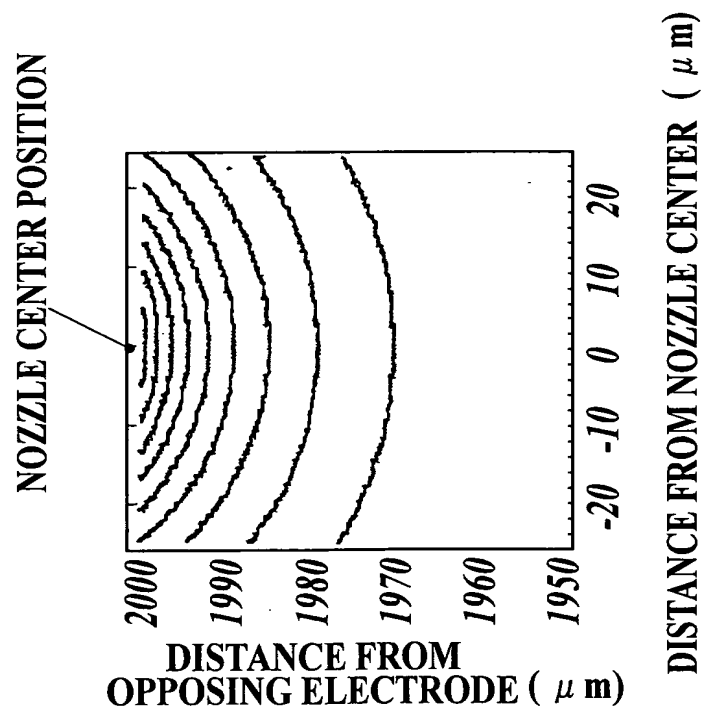
FIG.6B**FIG.6A**

FIG. 7

NOZZLE DIAMETER (μ m)	MAXIMUM ELECTRIC FIELD INTENSITY(V/m)		DEVIATION RATE (%)
	CAP (μ m)	CAP (μ m)	
0.2	2.001×10^9	2.00005×10^9	0.05
0.4	1.001×10^9	1.00005×10^9	0.09
1	0.401002×10^9	0.40005×10^9	0.24
4	0.1010903×10^9	0.100112×10^9	0.97
8	0.0510196×10^9	0.05005×10^9	1.94
20	0.0210476×10^9	0.0200501×10^9	4.98
50	0.00911111×10^9	0.00805×10^9	13.18

FIG.8

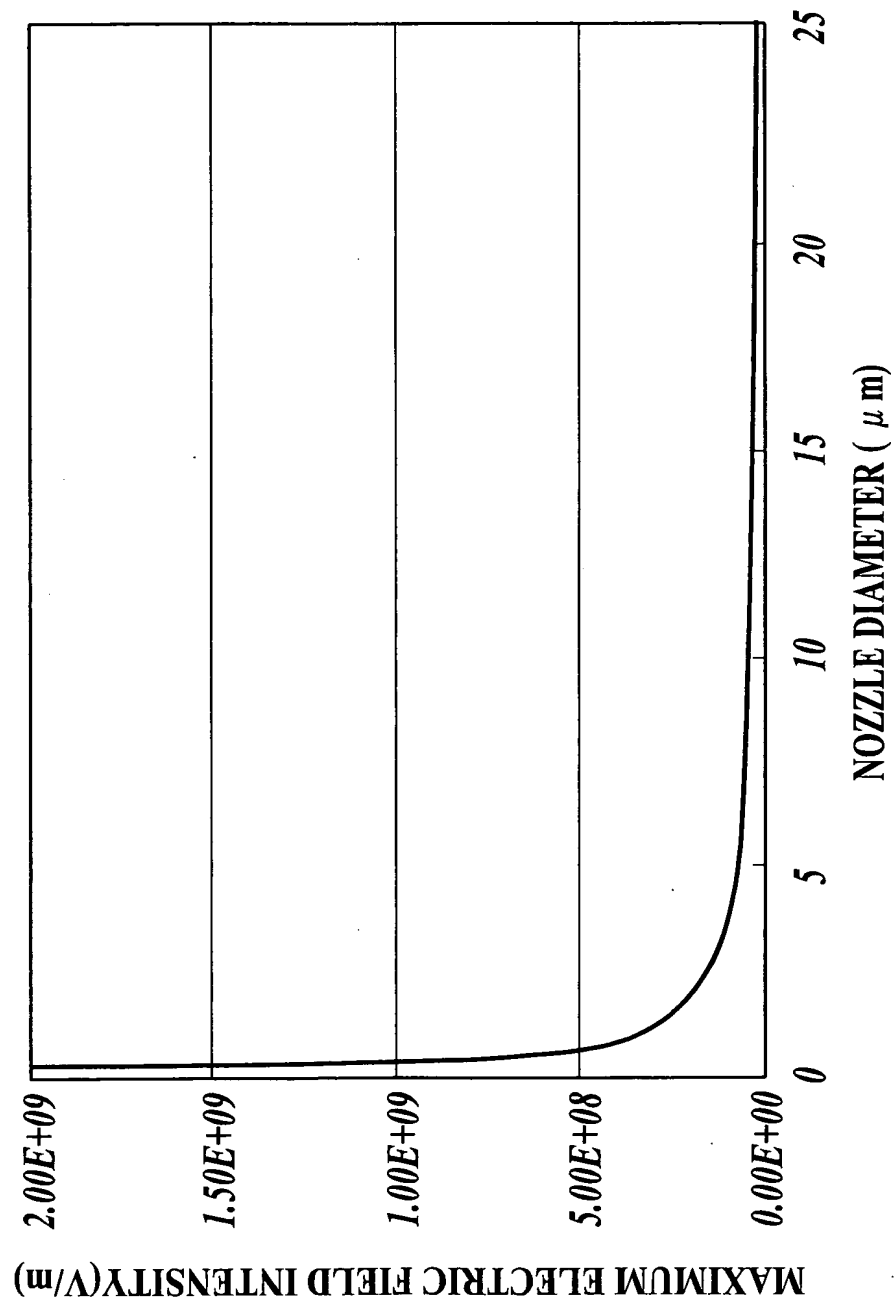
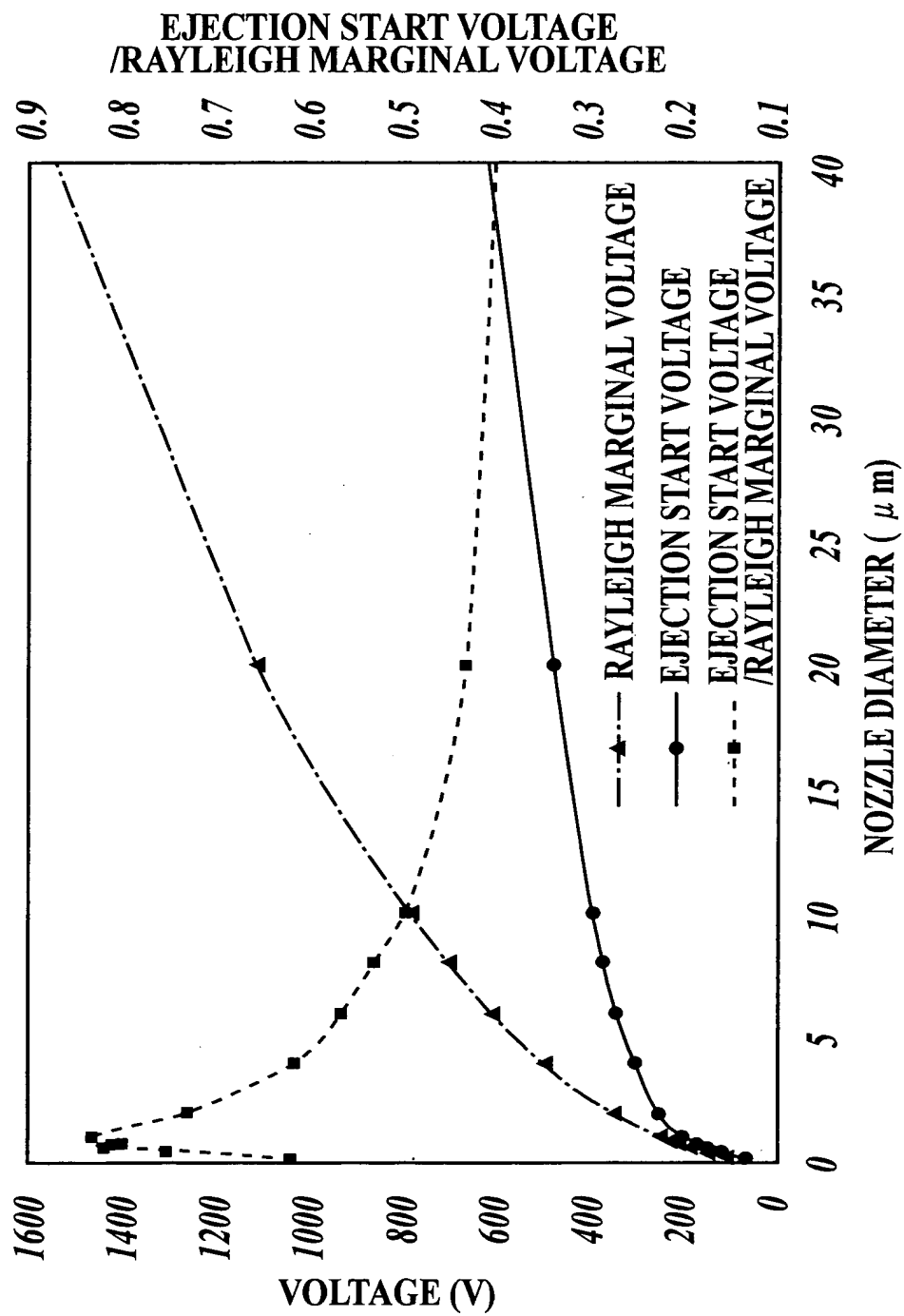


FIG.9



10 / 31

FIG 10A

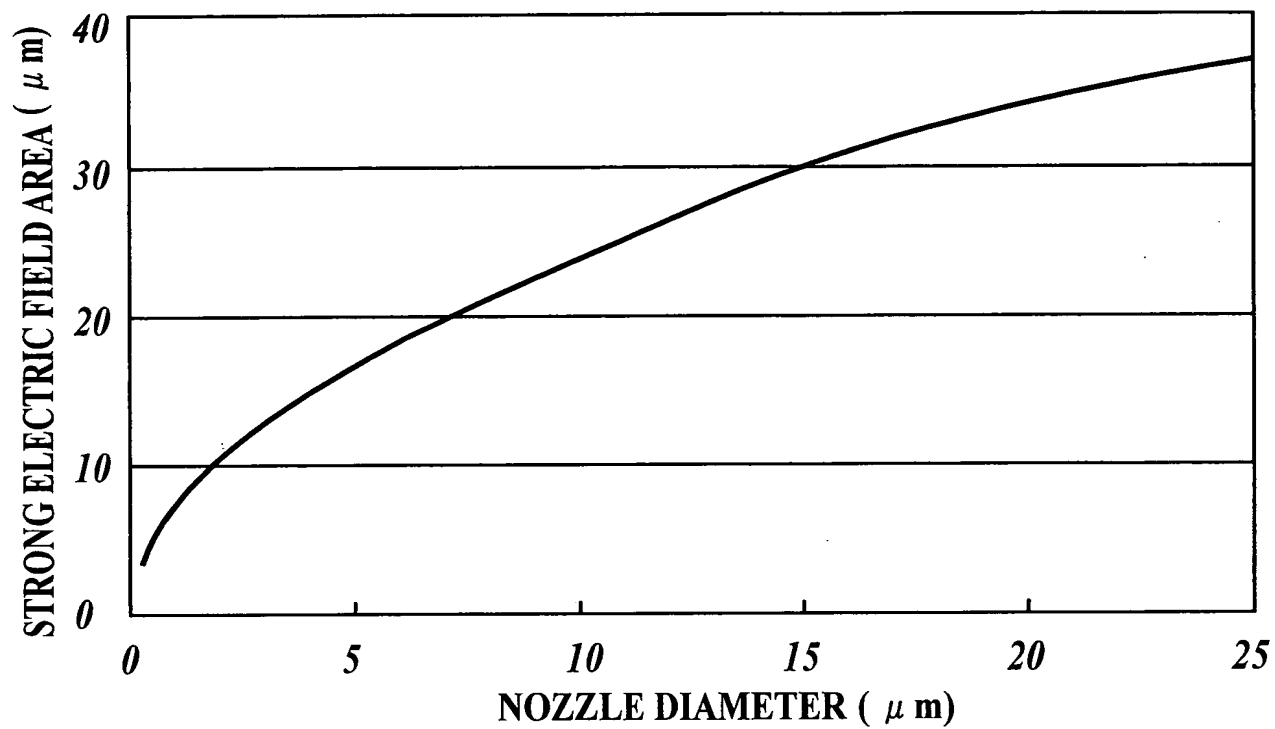


FIG 10B

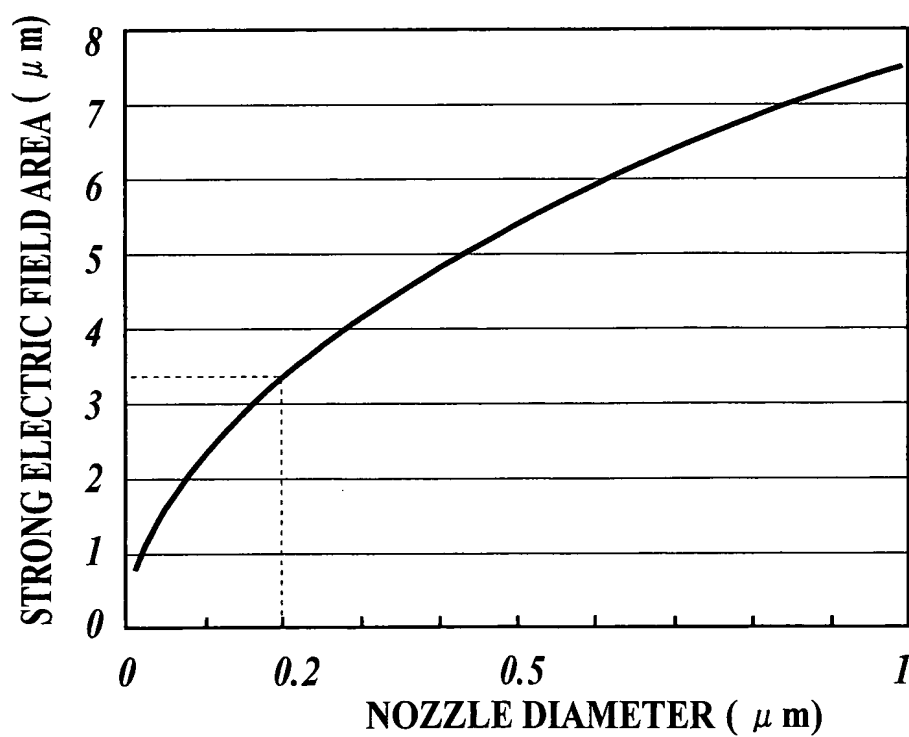


FIG. 11

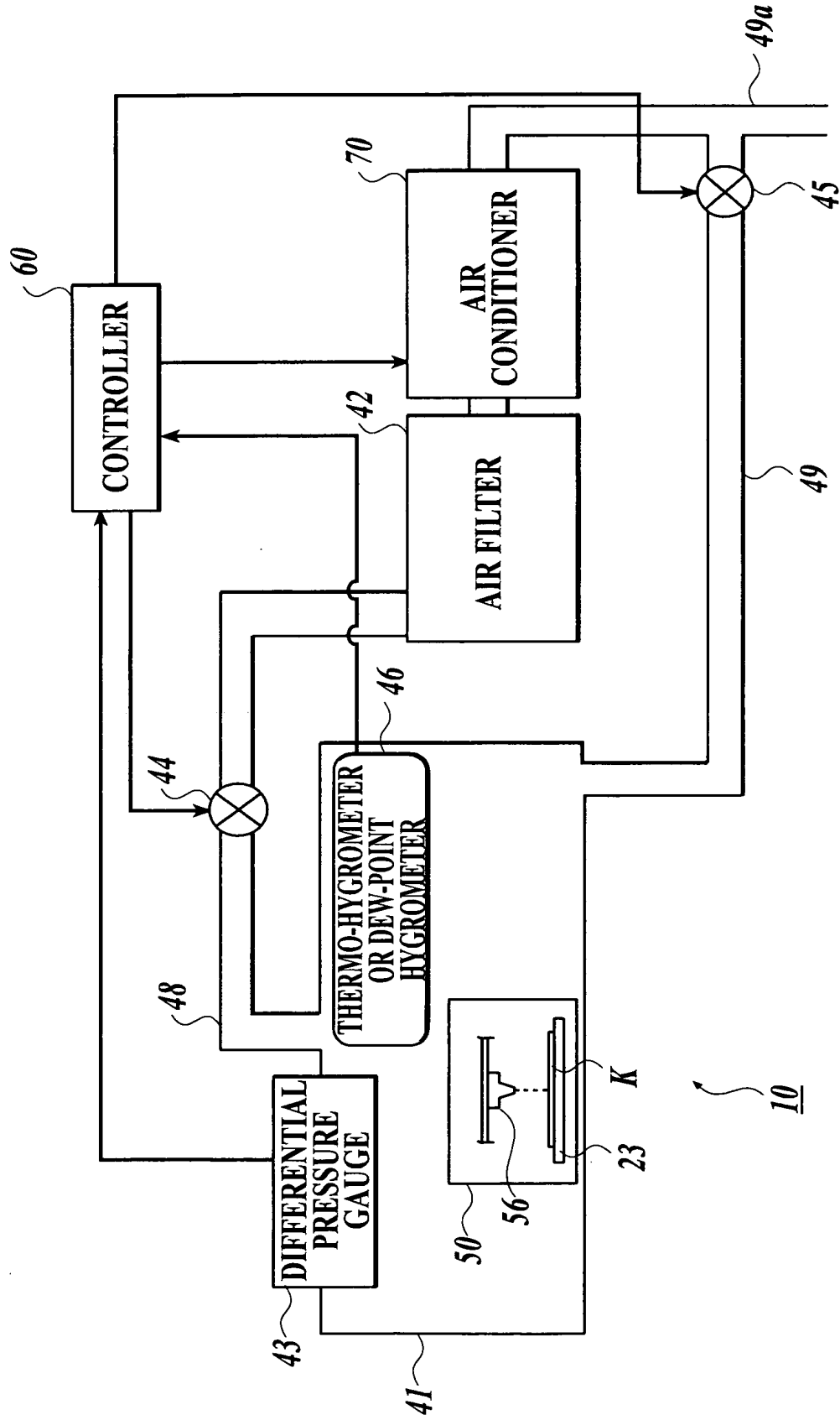


FIG 12

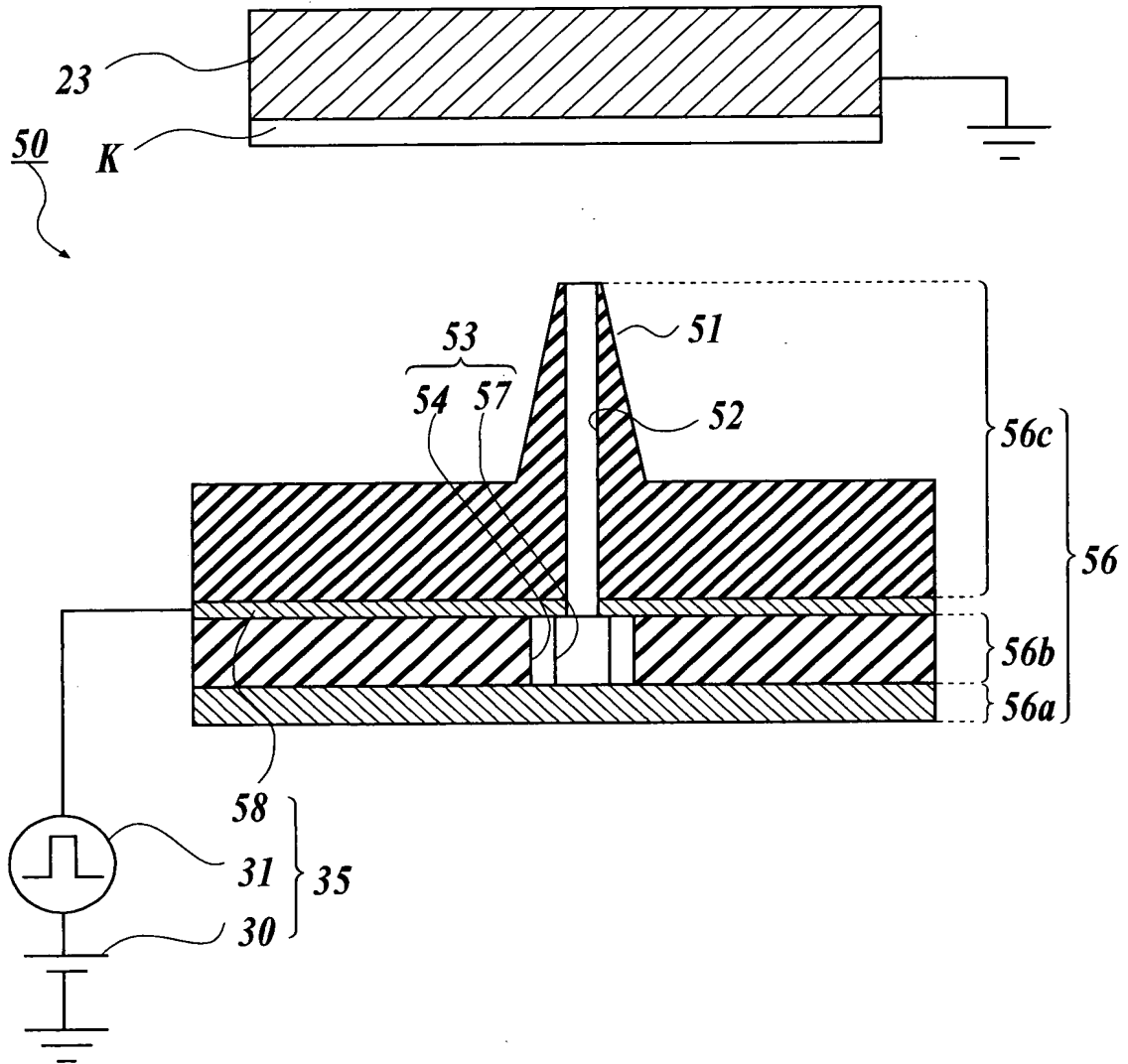


FIG 13A

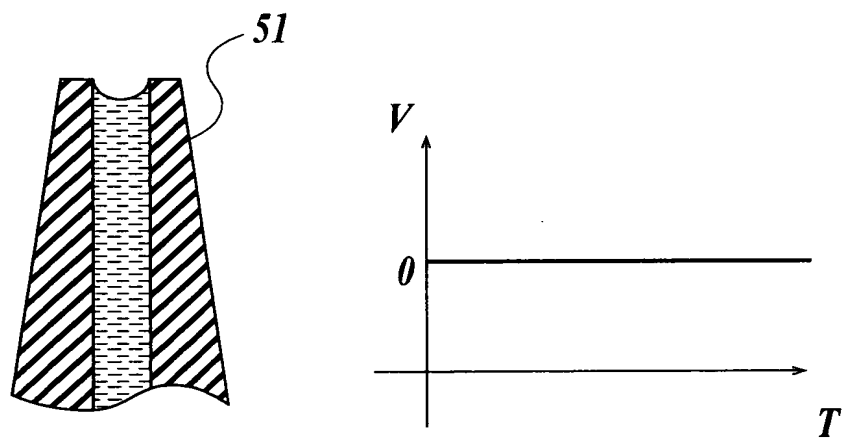


FIG 13B

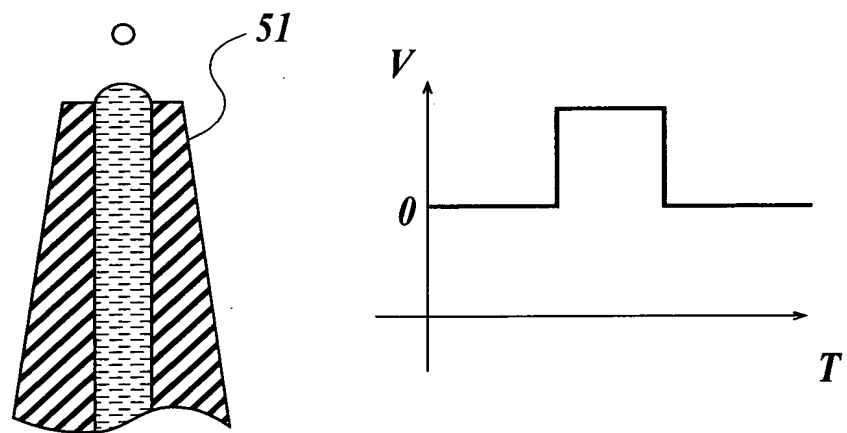


FIG.14A

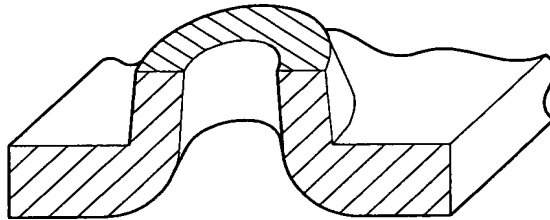


FIG.14B

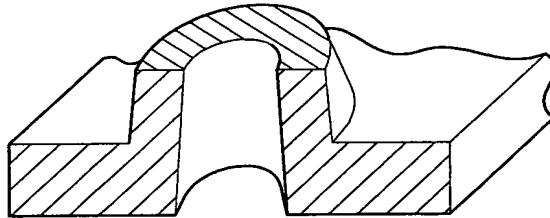
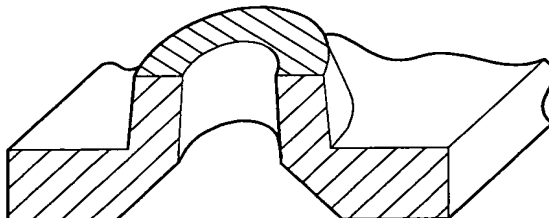


FIG.14C



15 / 31

FIG 15

RELATIONSHIP BETWEEN ABSOLUTE HUMIDITY
AND DEW POINT

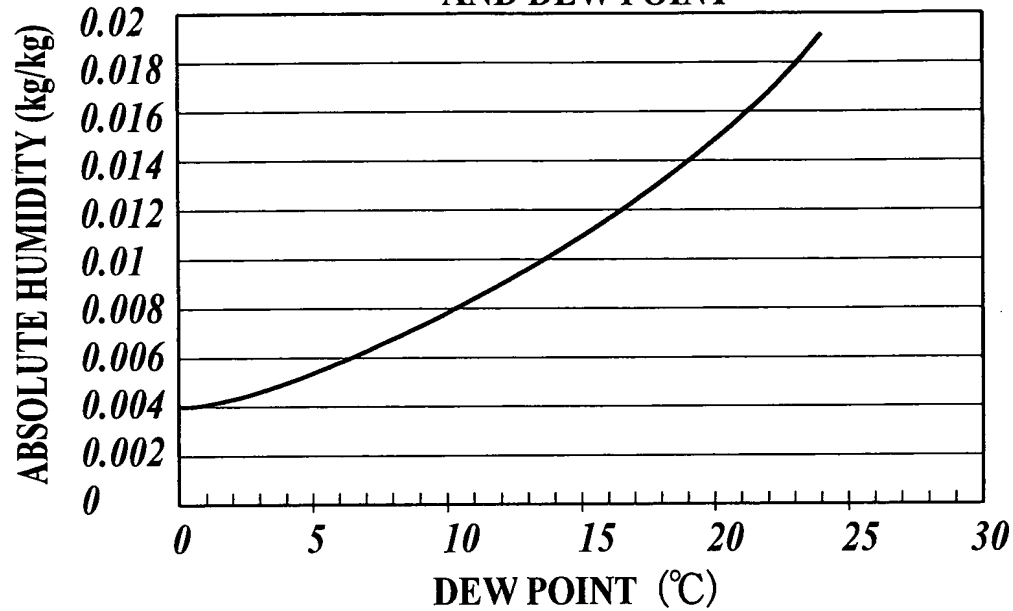
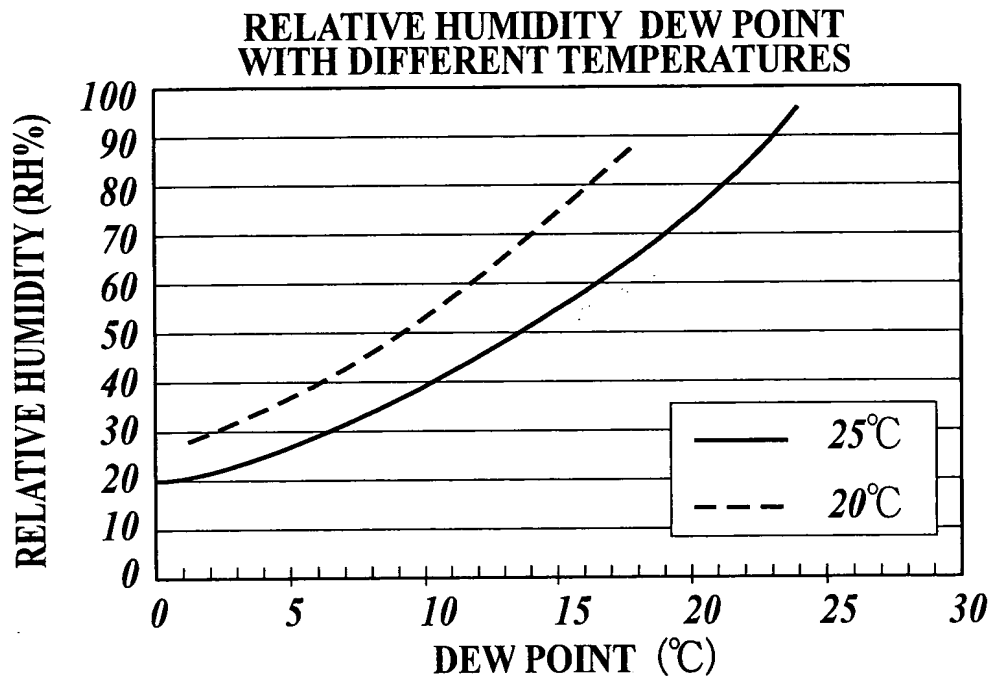


FIG 16

DEW POINT (°C)	ABSOLUTE HUMIDITY (kg/kg)
9	0.00704
10	0.00756
11	0.00812
12	0.00871
13	0.00935
14	0.01001
15	0.01072
16	0.01146
17	0.01224
18	0.01306
19	0.01391
20	0.01480

FIG 17

17/31
FIG 18

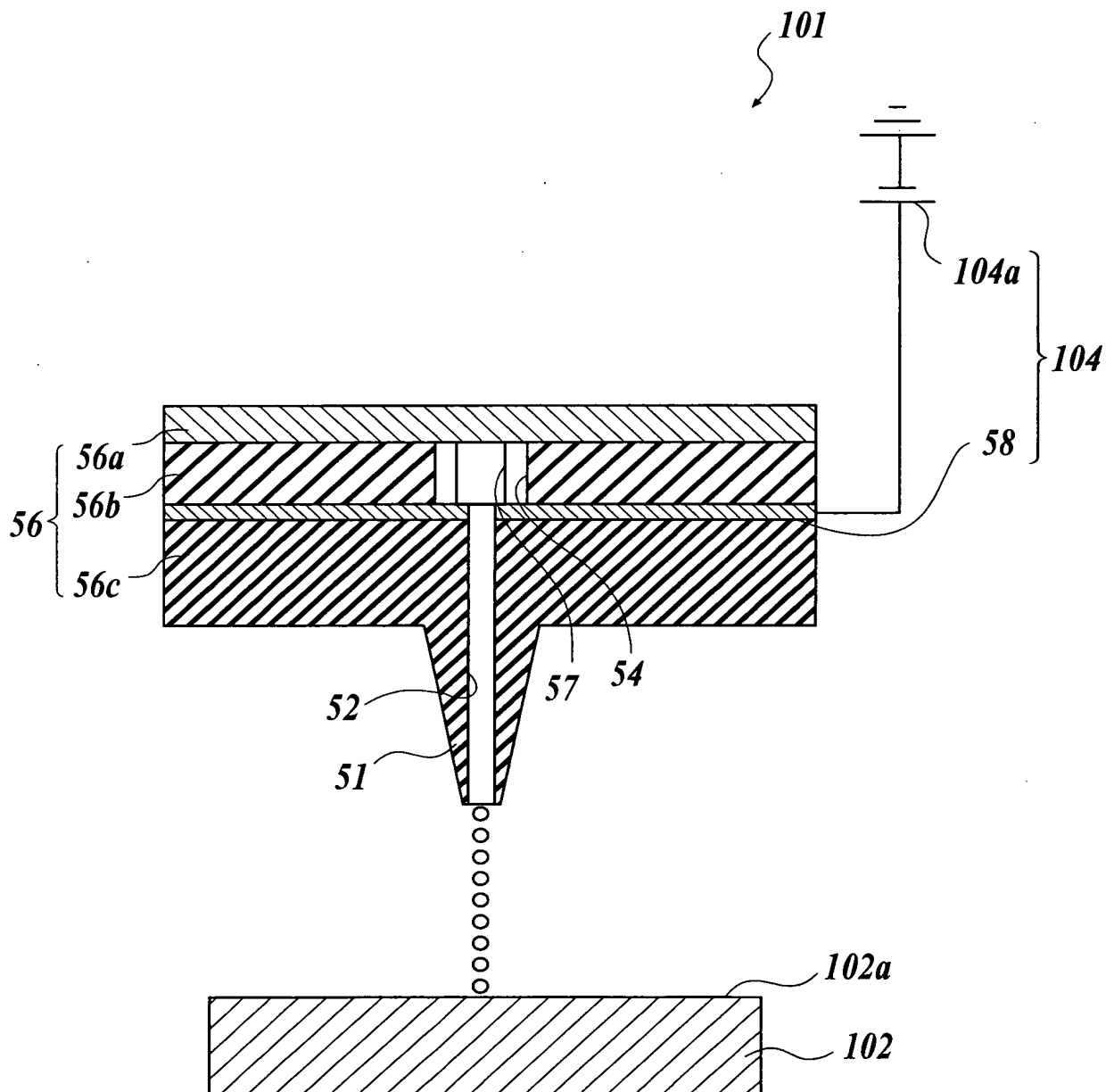


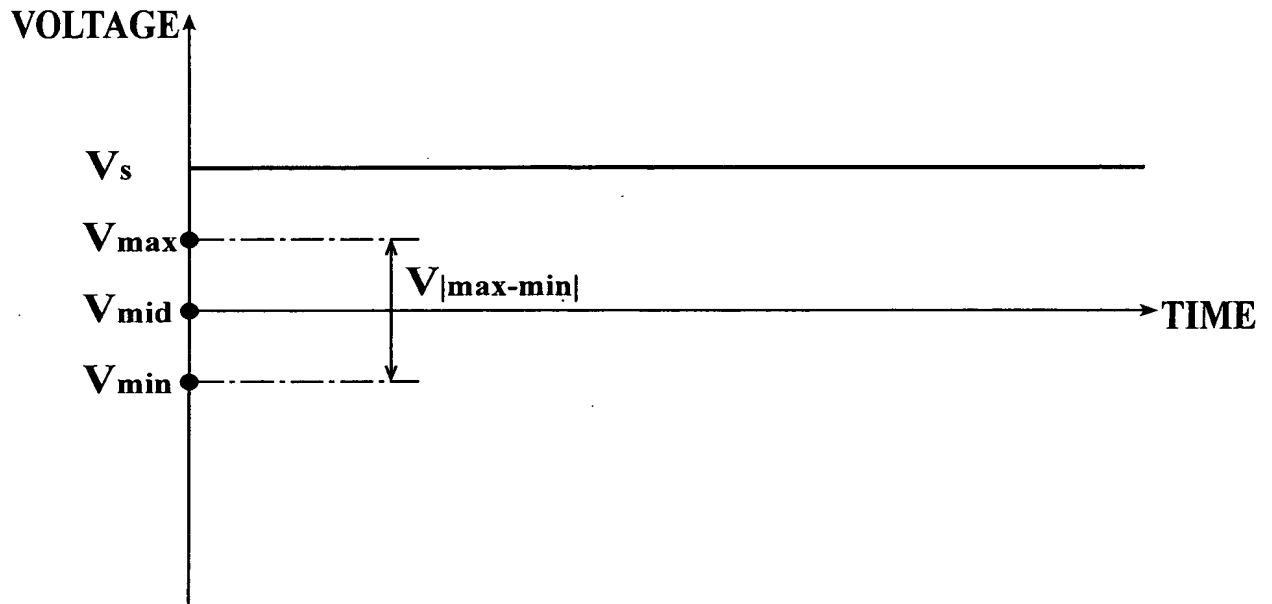
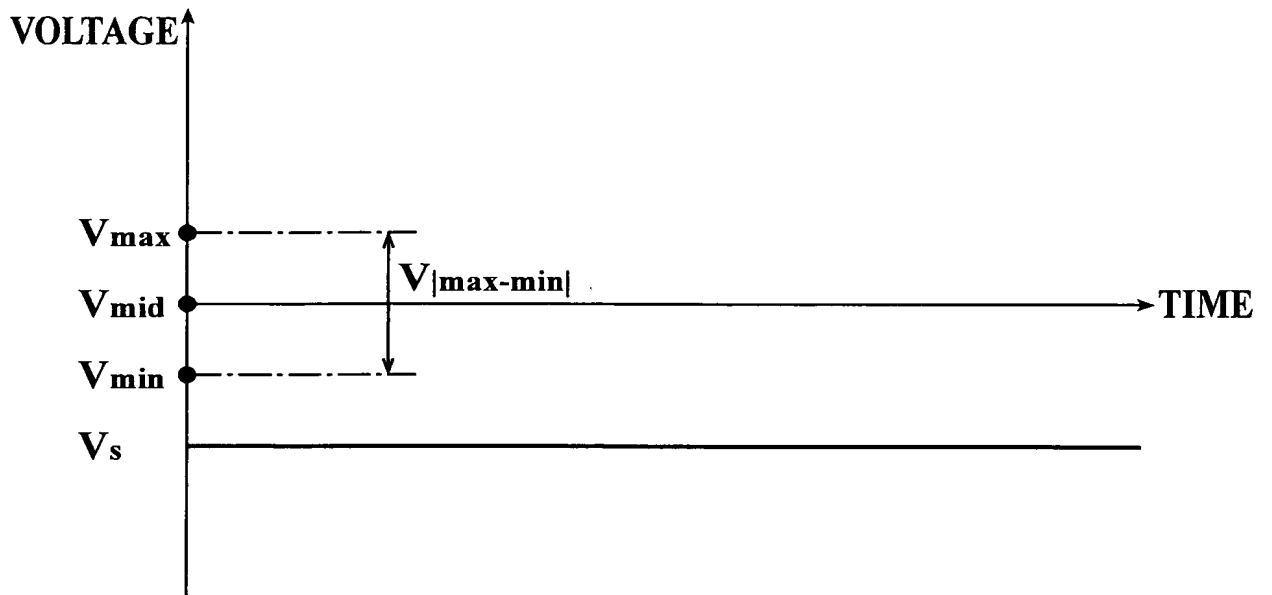
FIG 19A***FIG 19B***

FIG 20

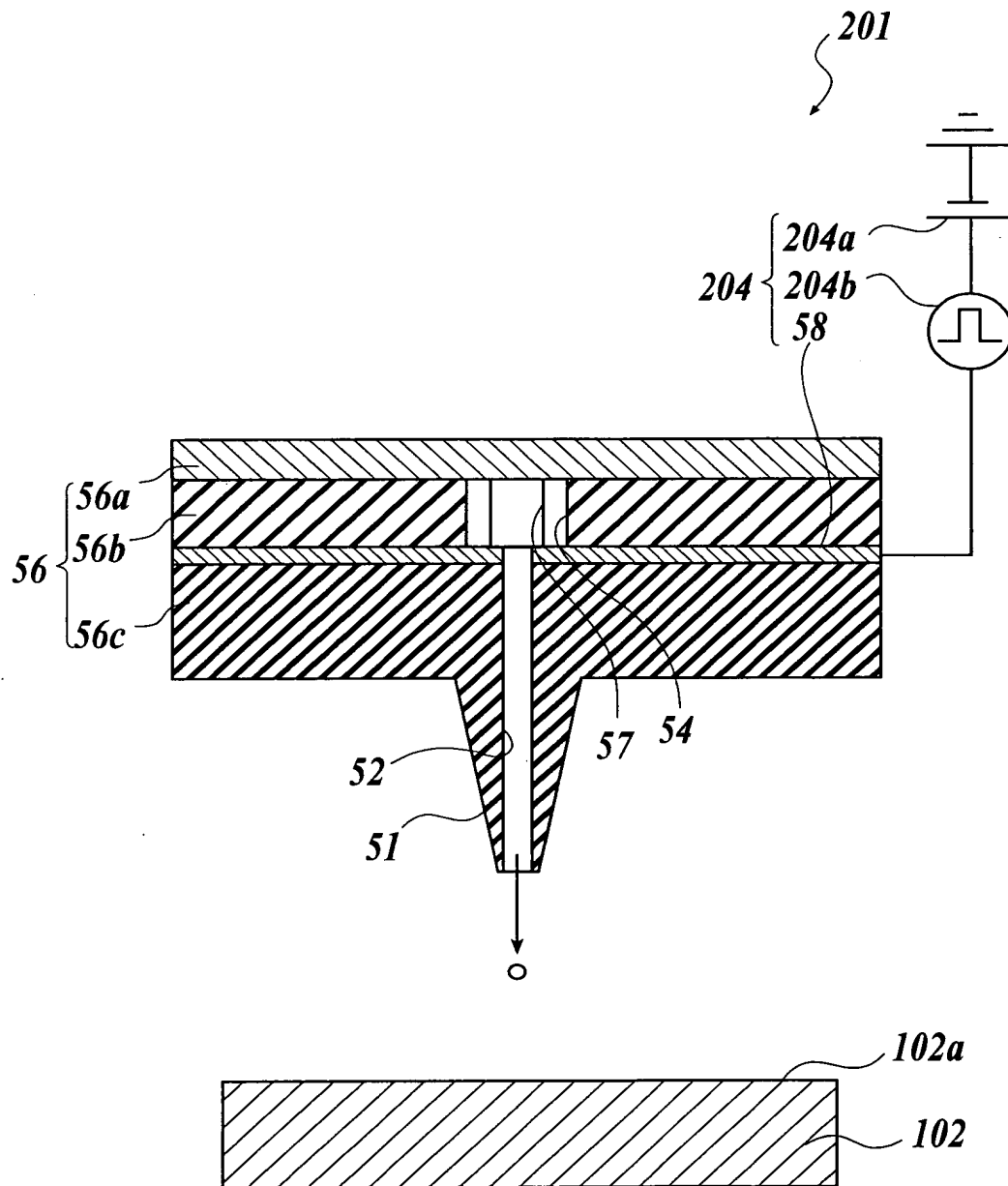


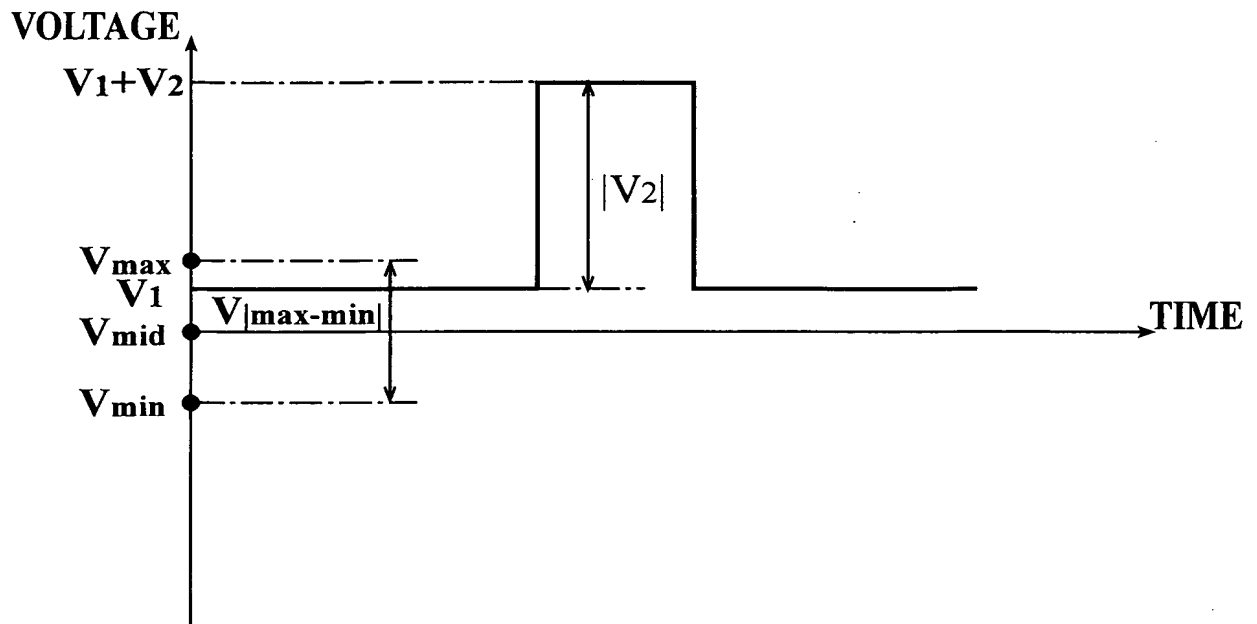
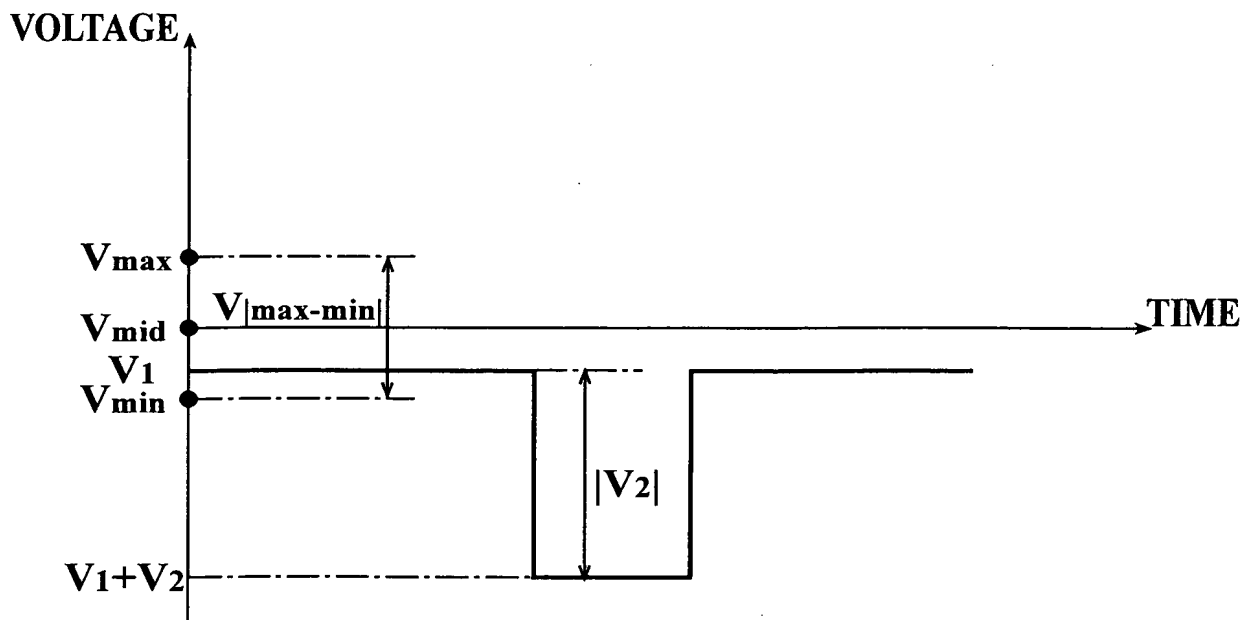
FIG. 21A***FIG. 21B***

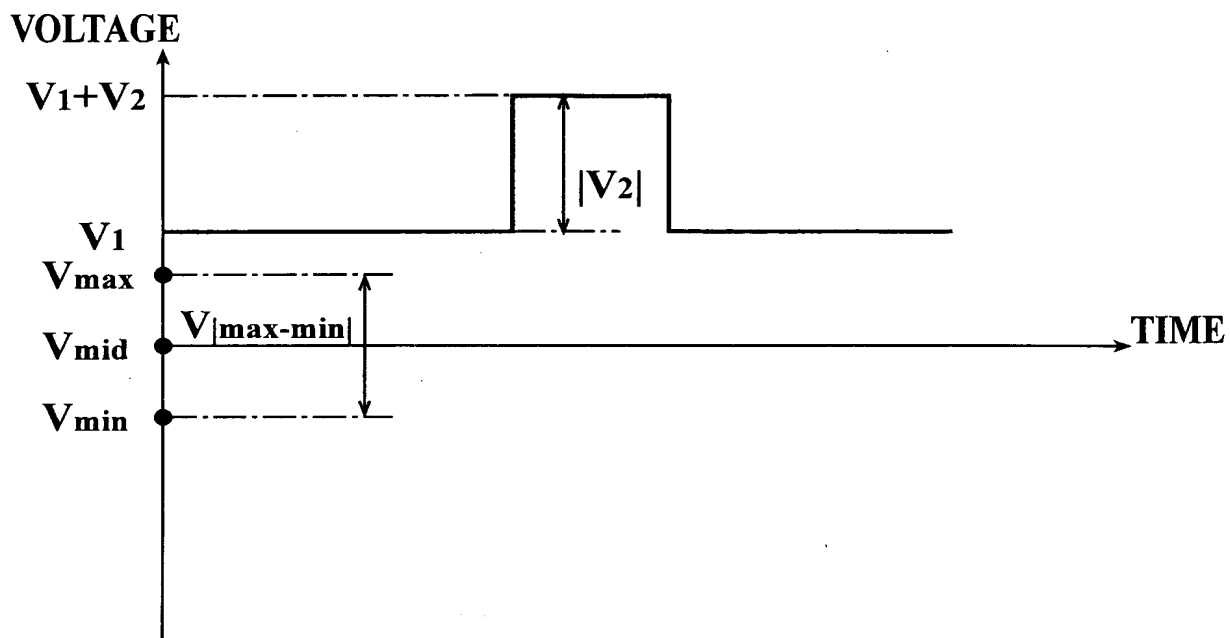
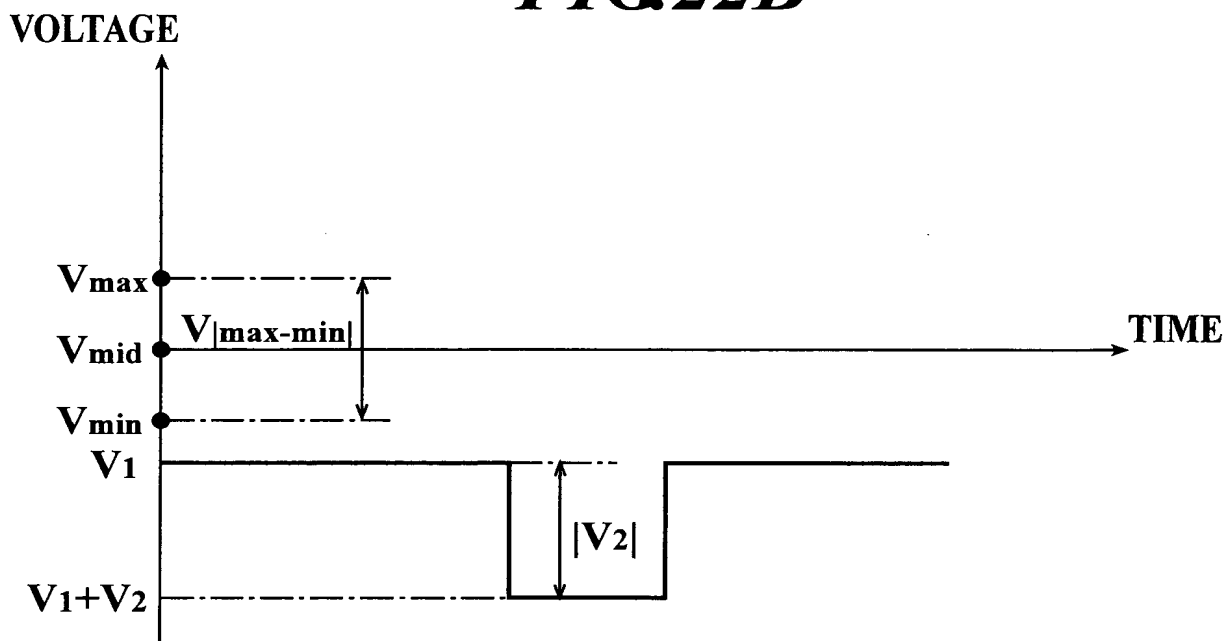
FIG 22A***FIG 22B***

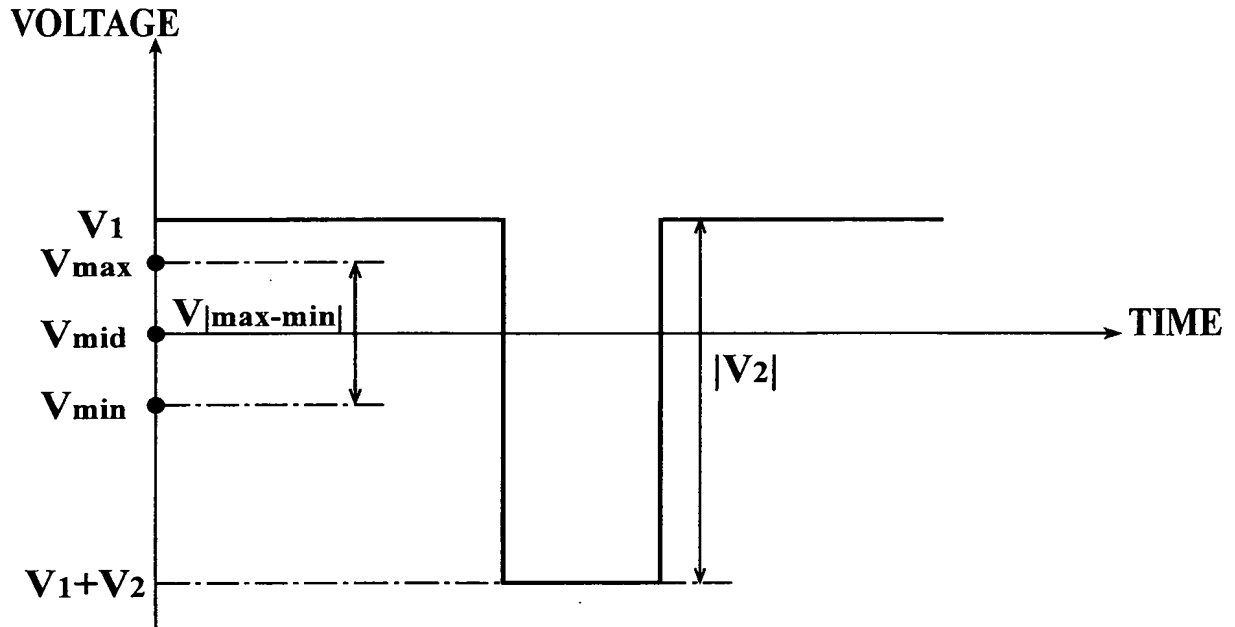
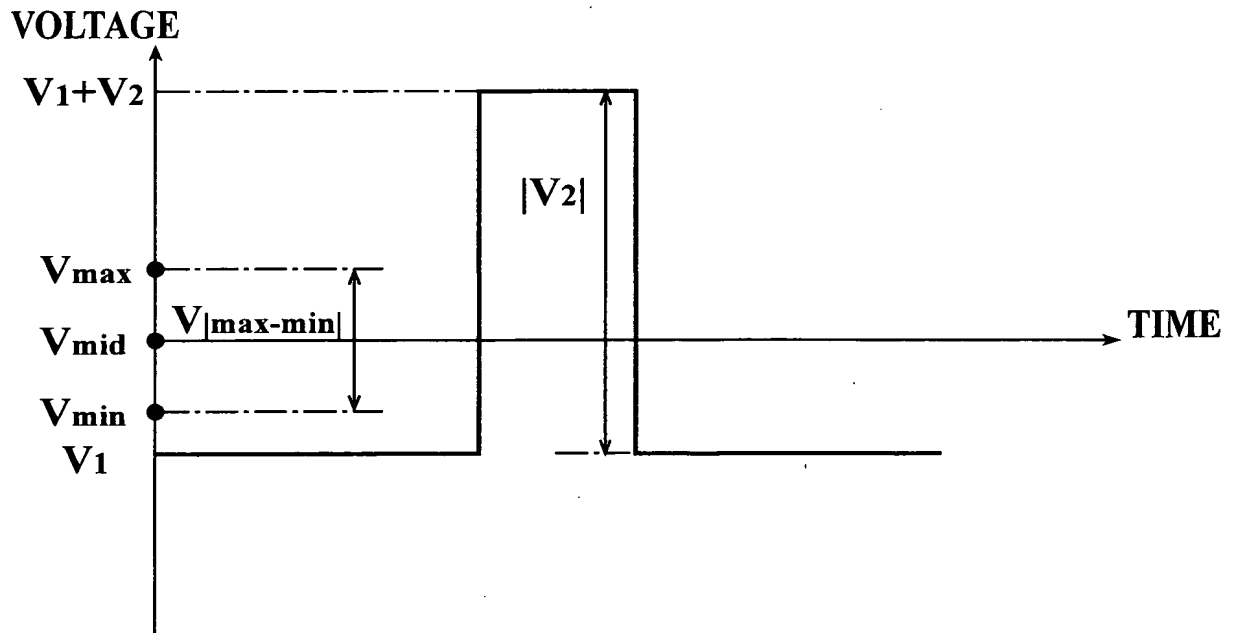
FIG 23A***FIG 23B***

FIG 24

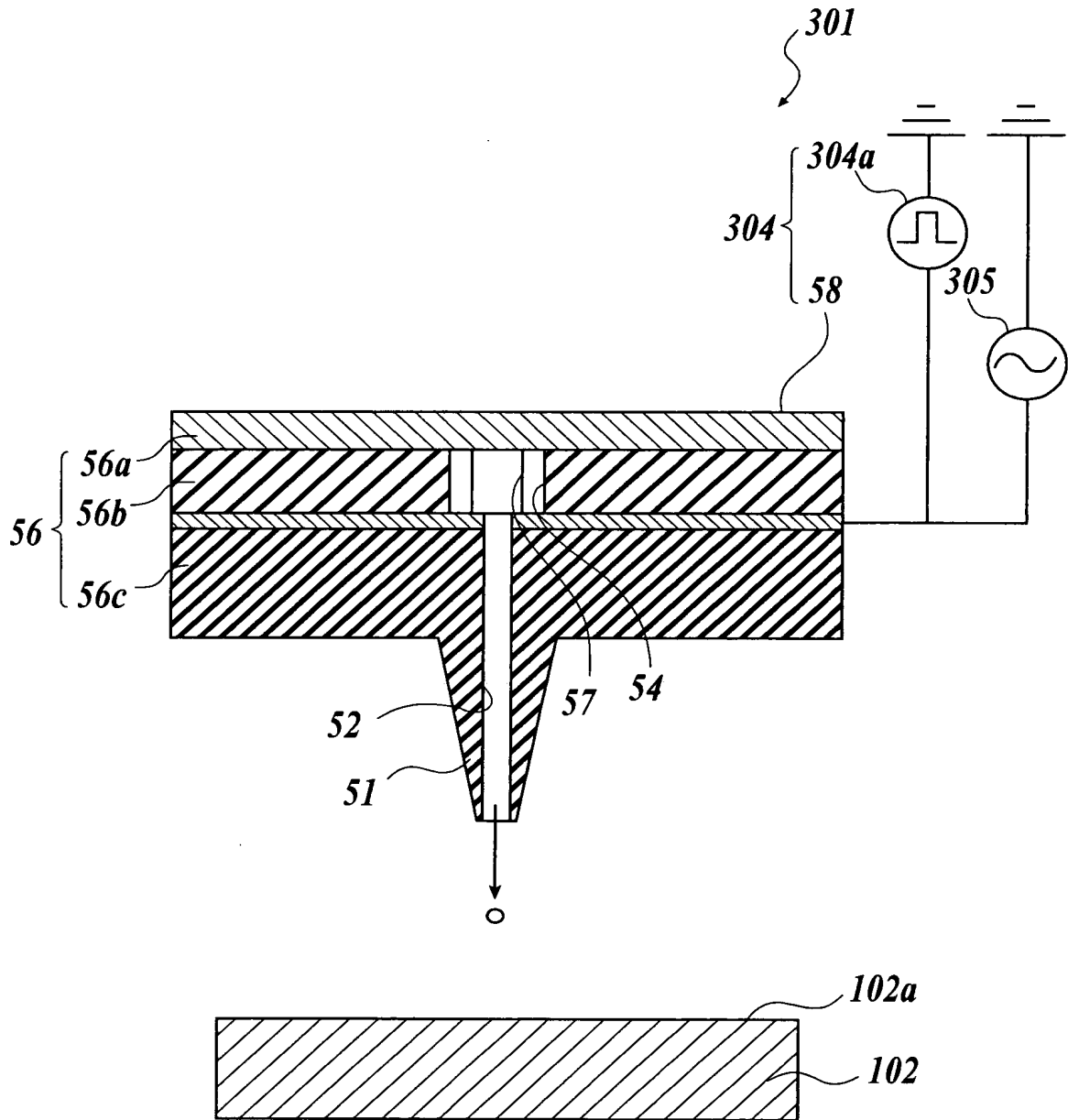


FIG 25

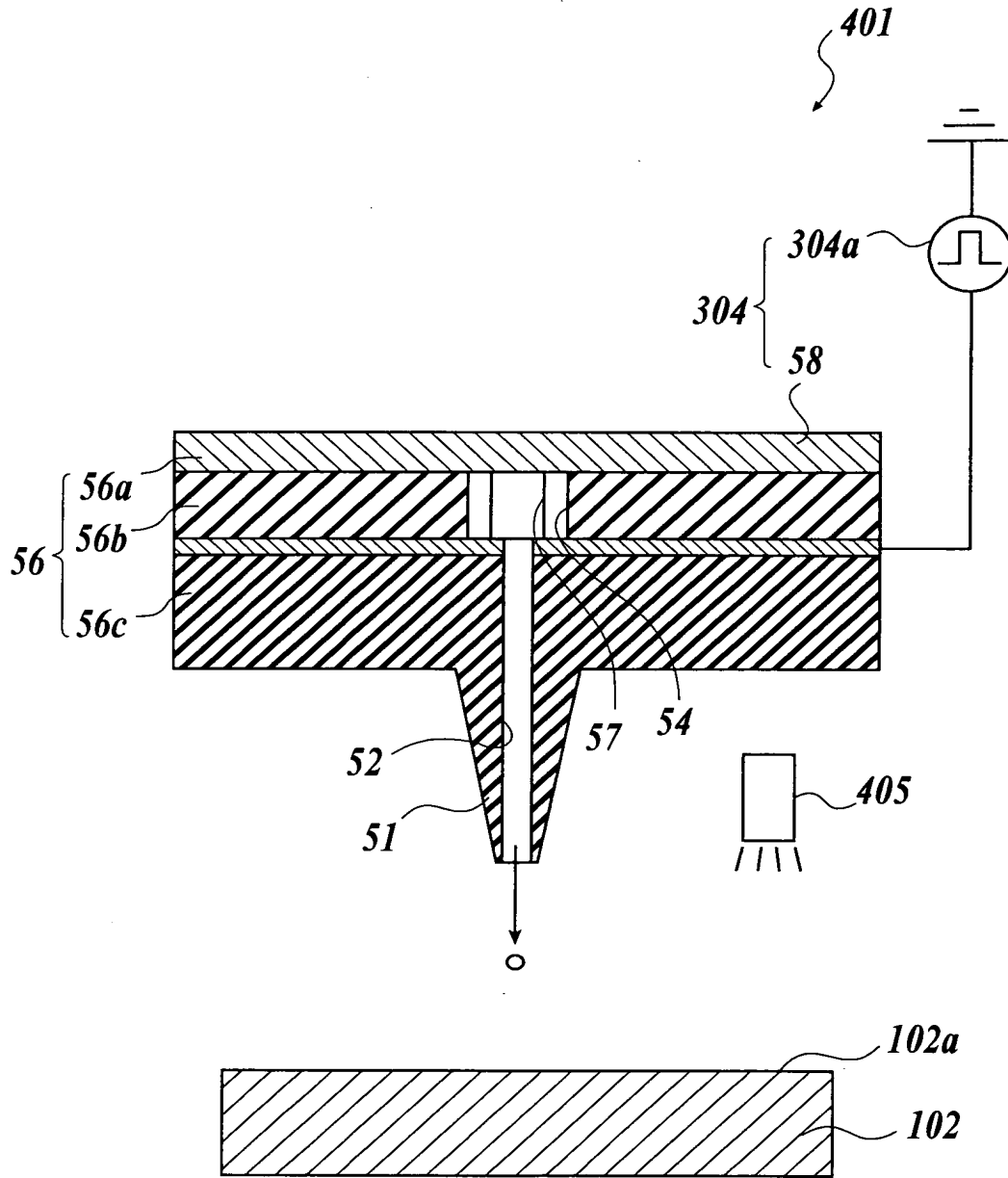


FIG. 26

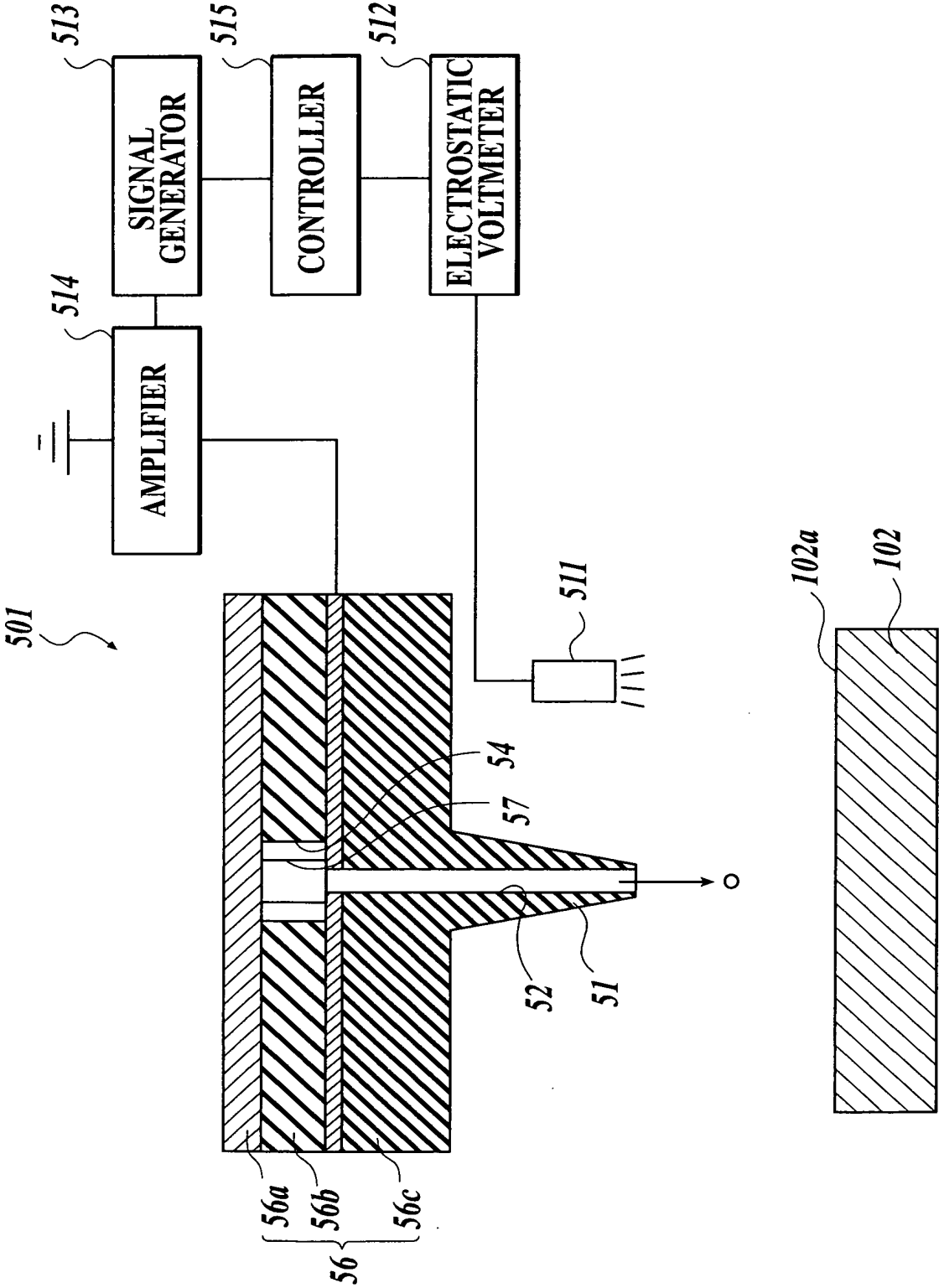


FIG 27

	DEW POINT °C	SURFACE TREATMENT	SURFACE RESISTANCE Ω /cm	
COMPARISON EXAMPLE	6	NONE	10^{14}	20
COMPARISON EXAMPLE	6	COLCOAT P	10^{10}	10
APPLICATION EXAMPLE	6	COLCOAT 200	10^9	3
APPLICATION EXAMPLE	6	COLCOAT N-103X	10^8	2
APPLICATION EXAMPLE	6	COLCOAT SP2001	10^5	2

FIG.28

	DEW POINT °C	V_{\max}	V_{\min}	$V_{ \max-\min }$	V_{mid}	$V_S - V_{\text{mid}}$	$V_S / V_{ \max-\min }$	DEVIATION RATE (%)
COMPARISON EXAMPLE	1	250	-70	320	90	260	1.1	20
COMPARISON EXAMPLE	3	220	-50	270	85	265	1.3	15
COMPARISON EXAMPLE	6	120	-30	150	45	305	2.3	10
APPLICATION EXAMPLE	9	45	-25	70	10	340	5	5
APPLICATION EXAMPLE	14	30	-20	50	5	345	7	3
APPLICATION EXAMPLE	17	30	-20	50	5	345	7	3

FIG.29

	V_1	V_2	V_1+V_2	$ V_1+V_2 /V_{ \max-\min }$	DEVIATION RATE (%)
FIRST PATTERN	0	350	350	7	3
SECOND PATTERN	-50	350	300	6	2.5
THIRD PATTERN	-50	350	300	11	1

FIG 30

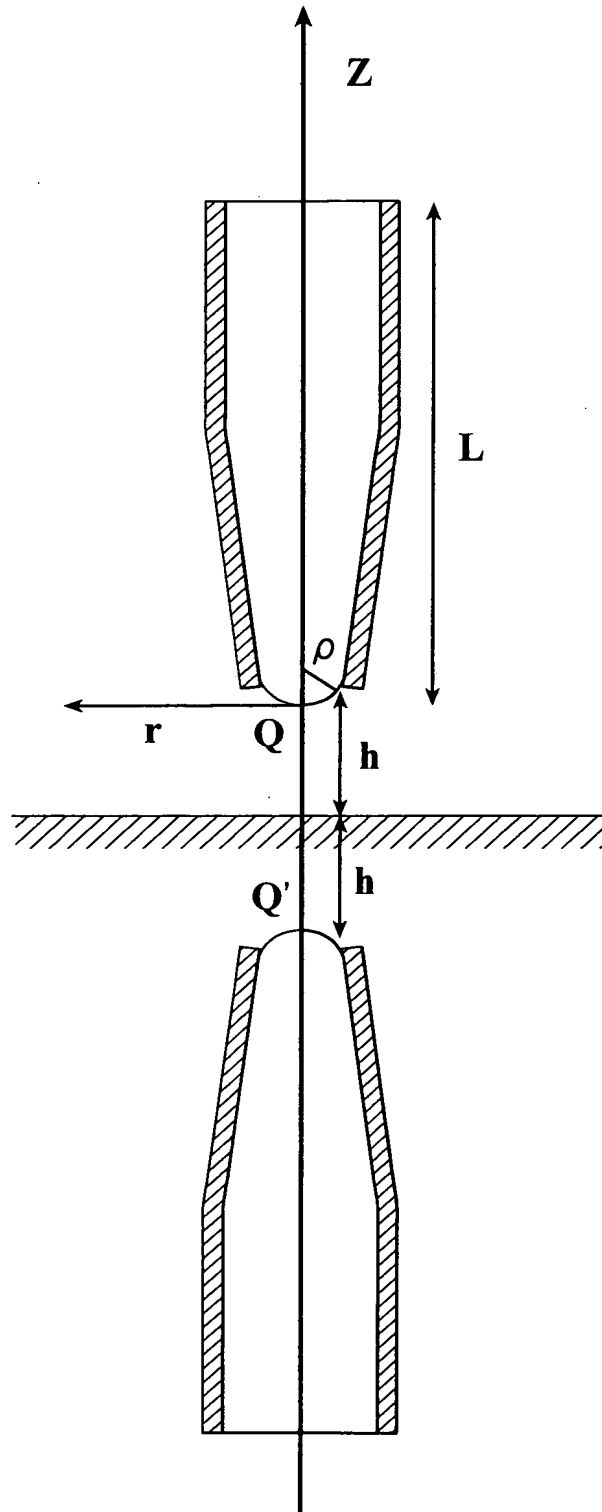


FIG 31

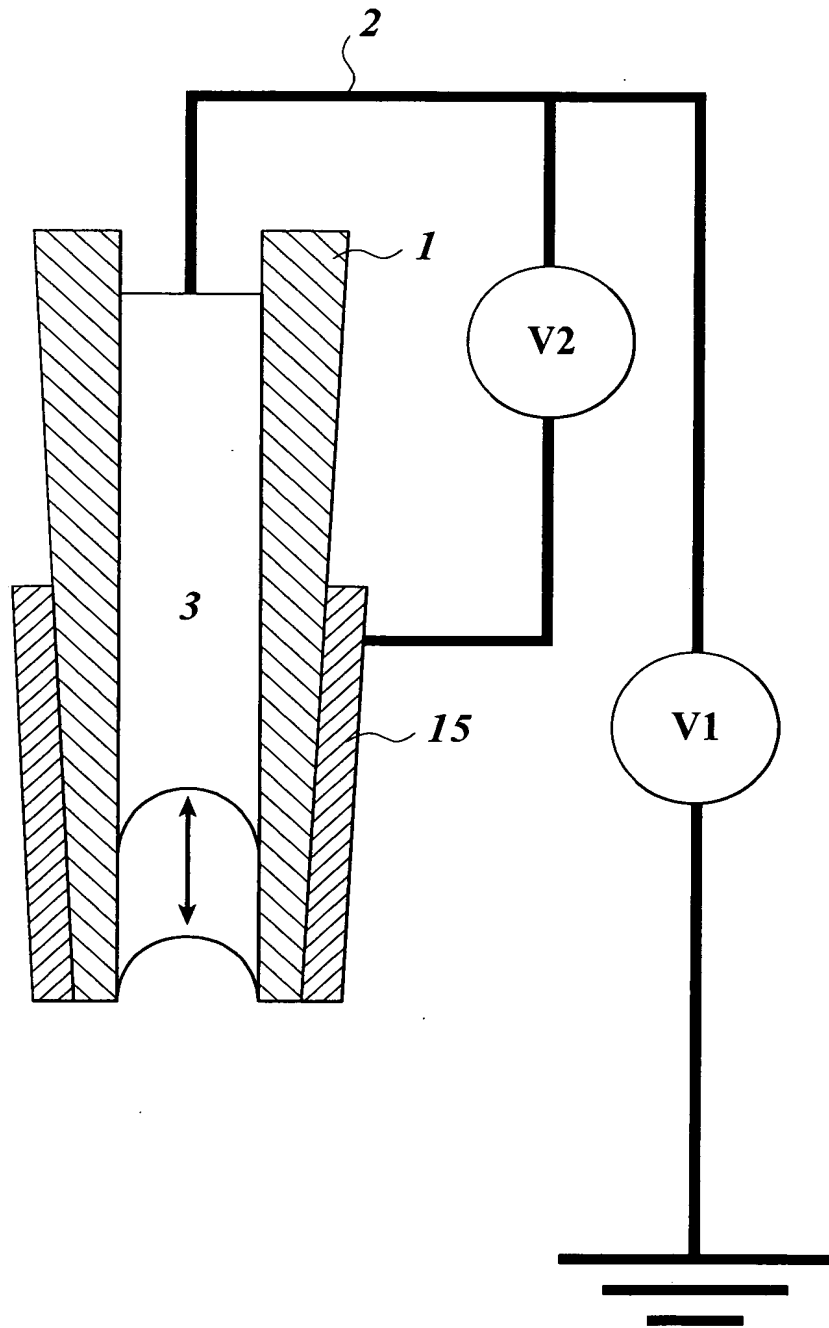


FIG 32